

1.) Description

The conversion kit is designed to improve volume application and volume measurement in the MicroVent.

The detection of wrong alarms (PEEP-high, Paw-low and CPAP-reduction) will be avoided by a new software filter.

The base flow is produced no longer by the demand valve, rather it is produced now by a constant flow dosage (R4) 5L/min.

Therefore the base flow is now independent of the PEEP-Setting, and self-triggering is avoided.

Expiratory Tidal Volume display is now possible via the Info-key.

For additional information see Service Instruction 06/96 No.3

2.) Conversion

- Open device and pull out slide-in unit
- Replace Eprom (Software 1.10)
- Replace dosage R4 84 12 262 with dosage R4 84 06 383
- Remove (R7) 2M 17 645 for base flow adjustment and fit the hoses in accordance with enclosed hose diagram
- Reassemble device

3.) Calibration

Carry out following calibrations:

- a) Calibration MV-valve according to service-mode-description point 3.2 Testmode 012

Settings:

mode switch: IPPV

PEEP : 0 mbar

- b) Calibration PEEP-valve according to MicroVent Test Certificate point 5.1

4.) Test

- Test in accordance with MicroVent Test Certificate
- Complete reply form and return to Drägerwerk Lübeck.

Return acknowledgement 8413118 modification of MicroVent

Drägerwerk AG
Cost id. 6912 / Dep. MT-DS-TS
Attn. Mr. Lutz Bormann
Moislinger Allee 53/55
D-23542 Lübeck
Germany

Alternative fax number: +451-882-4111

Herewith I confirm the proper installation of the
modification kit 8413120 according to IDM 06/96 Nr. 3 in the following unit.

Description : MicroVent

Part-No. : 8412600

Serial-No. : A R -

Serial-No. of
new software : -

Station of the unit:

country :

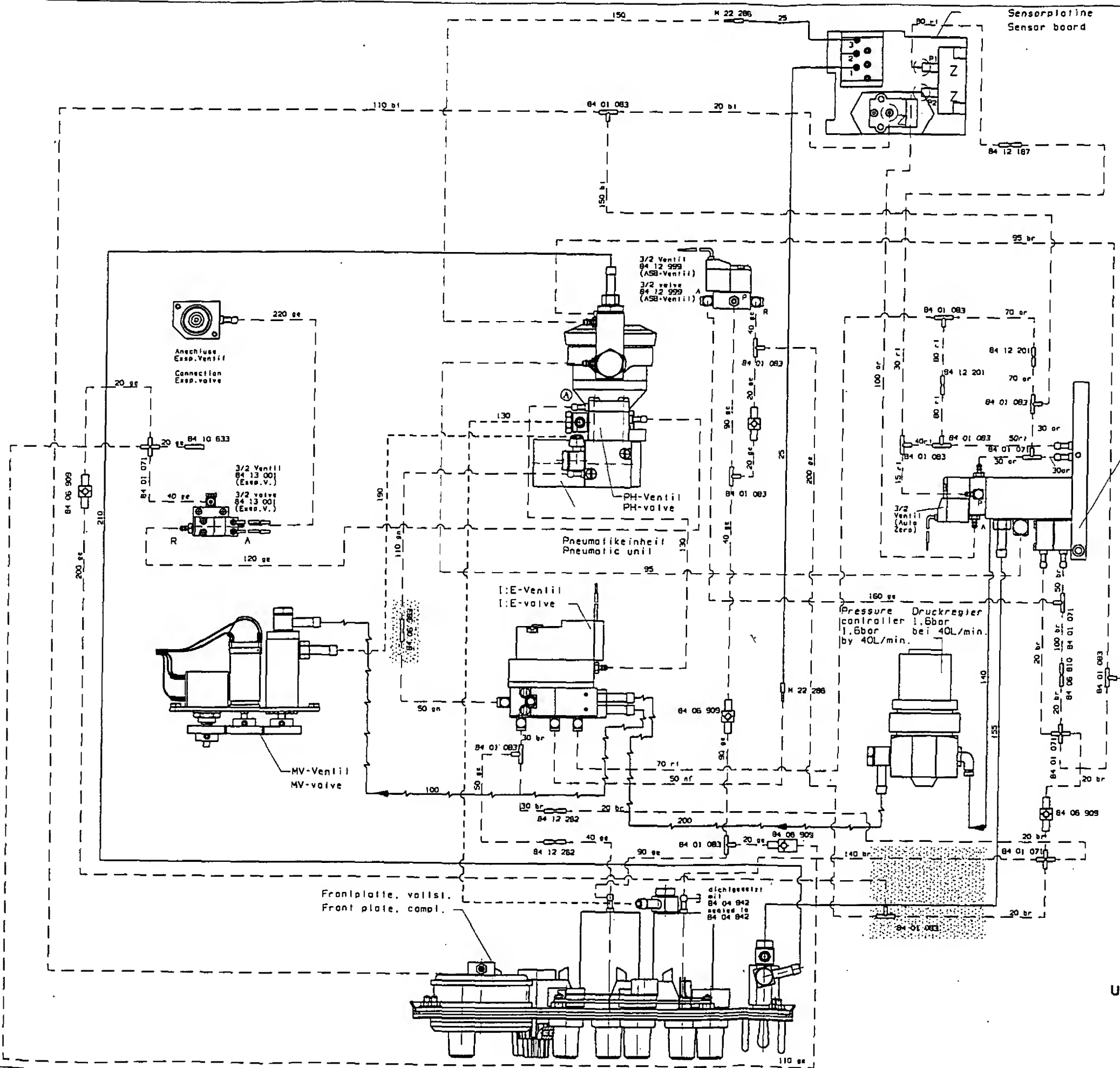
hospital :

name of technician :

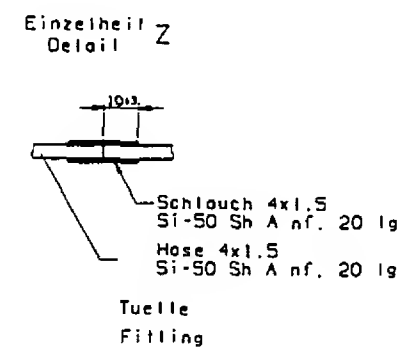
division / trader :

date :

signature :



- Sensorplatine**
Sensor board
- 1 P_Versorgung
 - 2 nicht belegt
 - 3 P_LA
-
- 1 P_supply
 - 2 not used
 - 3 P_LA



- Gaseingang**
Gas input
- rot/orange: Flowmessung
 - blau : Paw-Messung
 - braun : Steuerleitung LA
 - gelb : ASB Steuerung
-
- rt/or= red/orange: Flow measuring
 - bl= blue : Paw measuring
 - br= brown : Control line LA
 - ge= yellow : ASB control
-
- 140mm Flow am Exsp. Ausgang
12±4L/min.
- 140mm Flow al Exsp. output
12±4L/min.

- 4x2.5 Si nf
- 4x1 PAE nf
- - - 2.7x0.65 PAE nf
- - - 4x1.5 Si-50 Sh A nf
- - - 2x1 Si rt, br, or, bl, gn, ge, nf
- 2x1 Si red, brown, orange, blue, green, yellow, nf

neu(new)

Umrüstung. Conversion instructions

MicroVent Minutenvolumen
MicroVent minute volume

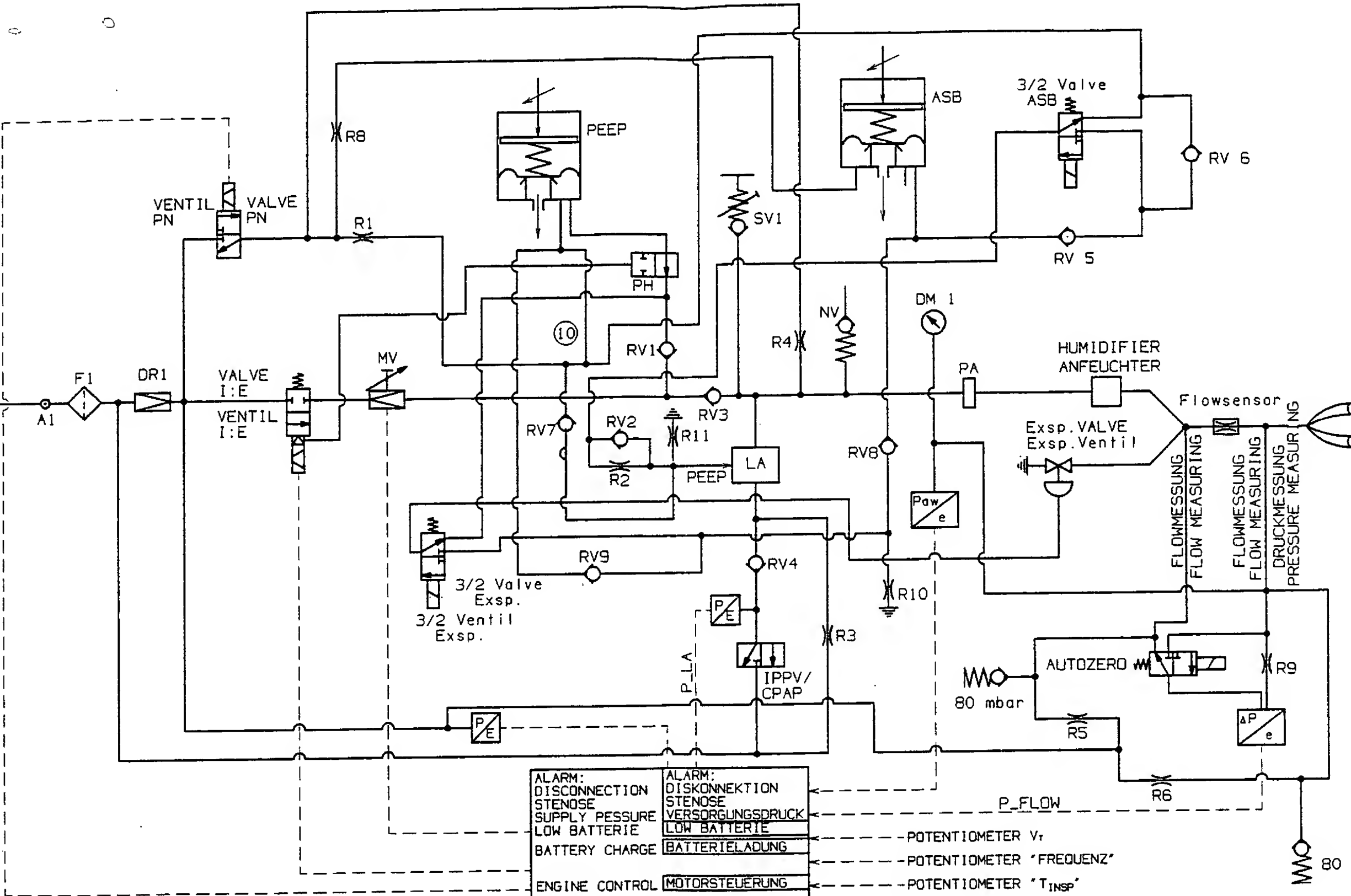
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Seite 3 v.3 Bl.

11.06.96

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BLENDER
O₂/AIR
MISCHER
O₂/AIR



DISPLAY
ALARM
(OPTICAL/ACOUSTIC)

DISPLAY
ALARM
(OPTISCH/AKUSTISCH)

ALARM:
DISCONNECTION
STENOSE
SUPPLY PRESSURE
LOW BATTERIE
BATTERY CHARGE
ENGINE CONTROL
ZEITSTEUERUNG
TIME CONTROL

ALARM:
DISKONNEKTION
STENOSE
VERSORGUNGSDRUCK
LOW BATTERIE
BATTERIELADUNG

MOTORSTEUERUNG

POTENTIOMETER V_r
POTENTIOMETER "FREQUENZ"
POTENTIOMETER "T_{INSP}"
POTENTIOMETER "P_{max}"
DOPPEL-POTENTIOMETER "AMV tief/hoch"
DOUBLE-POTENTIOMETER "AMV low/high"
0/1-SCHALTER
0/1-SWITCH

| | | | | | |
|--|--|----------------|----|----------------------------------|--|
| Herkstoff | | 10 | 1x | R7 entfernt | |
| Massestab | | Abteilung | | Name | |
| MB | | 10.06 | | WAGNER | |
| Gepr. | | Schekow | | Drägerwerk Aktiengesellschaft | |
| Benennung | | Zeichnungs-Nr. | | 8412324 | |
| Blockschaltbild (Block switch diagram, MicroVent) | | Ersatz fuer | | 8412324-09 | |
| Ersatz durch | | Ersatz durch | | Ersatz durch | |

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